Maxxam
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Your Project #: A5H0142
Your C.O.C. #: na

Attention:Darrell Auvil

Apex Laboratories
12232 SW Garden Place
Tigard, OR
USA 97223

Report Date: 2015/08/20
Report #: R3634603
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B5F6793
Received: 2015/08/07, 14:20

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Dioxins/Furans in Soil (1613B) (1)	1	2015/08/13	2015/08/16	BRL SOP-00410	EPA 1613B m
Moisture	1	N/A	2015/08/10	CAM SOP-00445	Carter 2nd ed 51.2 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Soils are reported on a dry weight basis unless otherwise specified.

Confirmatory runs for 2,3,7,8-TCDF are performed only if the primary result is greater than the RDL.

Encryption Key M Di Grazia
Melissa DiGrazia
20 Aug 2015 16:48:12 -04:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Melissa DiGrazia, Project Manager - ATUT
Email: MDiGrazia@maxxam.ca
Phone# (905) 817-5700

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Job #: B5F6793
Report Date: 2015/08/20

Apex Laboratories
Client Project #: A5H0142

RESULTS OF ANALYSES OF SOIL

Maxxam ID		ATM858			
Sampling Date		2015/08/06 12:00			
COC Number		na			
	UNITS	**S+H-PORTMIX-TUAL**	**RDL**	**MDL**	**QC Batch**
Moisture	%	15	1.0	0.50	4141408

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Maxxam Job #: B5F6793
Report Date: 2015/08/20

Apex Laboratories
Client Project #: A5H0142

DIOXINS AND FURANS BY HRMS (SOIL)

Maxxam ID		ATM858							
Sampling Date		2015/08/06 12:00							
COC Number		na				TOXIC EQUIVALENCY		# of	
	UNITS	S+H-PORTMIX-TUAL	EDL	RDL	MDL	TEF (2005 WHO)	TEQ(DL)	Isomers	QC Batch
2,3,7,8-Tetra CDD *	pg/g	<0.228	0.228	0.200	0.400	1.00	0.228		4150783
1,2,3,7,8-Penta CDD *	pg/g	<0.192	0.192	0.998	0.400	1.00	0.192		4150783
1,2,3,4,7,8-Hexa CDD *	pg/g	0.436	0.135	0.998	0.400	0.100	0.0436		4150783
1,2,3,6,7,8-Hexa CDD *	pg/g	3.14	0.147	0.998	0.400	0.100	0.314		4150783
1,2,3,7,8,9-Hexa CDD *	pg/g	2.01	0.139	0.998	0.400	0.100	0.201		4150783
1,2,3,4,6,7,8-Hepta CDD *	pg/g	111	0.263	0.998	0.400	0.0100	1.11		4150783
Octa CDD *	pg/g	1280	0.296	2.00	0.800	0.000300	0.384		4150783
Total Tetra CDD *	pg/g	0.285	0.228	0.200	0.400			1	4150783
Total Penta CDD *	pg/g	0.736	0.192	0.998	0.400			1	4150783
Total Hexa CDD *	pg/g	24.6	0.141	0.998	0.400			5	4150783
Total Hepta CDD *	pg/g	243	0.263	0.998	0.400			2	4150783
2,3,7,8-Tetra CDF **	pg/g	<0.243 (1)	0.243	0.200	0.400	0.100	0.0243		4150783
1,2,3,7,8-Penta CDF **	pg/g	<0.272 (2)	0.272	0.998	0.400	0.0300	0.00816		4150783
2,3,4,7,8-Penta CDF **	pg/g	<0.185 (3)	0.185	0.998	0.400	0.300	0.0555		4150783
1,2,3,4,7,8-Hexa CDF **	pg/g	0.990	0.113	0.998	0.400	0.100	0.0990		4150783
1,2,3,6,7,8-Hexa CDF **	pg/g	0.559	0.115	0.998	0.400	0.100	0.0559		4150783
2,3,4,6,7,8-Hexa CDF **	pg/g	0.298	0.108	0.998	0.400	0.100	0.0298		4150783
1,2,3,7,8,9-Hexa CDF **	pg/g	0.157	0.112	0.998	0.400	0.100	0.0157		4150783
1,2,3,4,6,7,8-Hepta CDF **	pg/g	7.91	0.115	0.998	0.400	0.0100	0.0791		4150783
1,2,3,4,7,8,9-Hepta CDF **	pg/g	0.954	0.114	0.998	0.400	0.0100	0.00954		4150783
Octa CDF **	pg/g	28.3	0.113	2.00	0.800	0.000300	0.00849		4150783
Total Tetra CDF **	pg/g	1.00	0.109	0.200	0.400			5	4150783
Total Penta CDF **	pg/g	1.57	0.134	0.998	0.400			3	4150783
Total Hexa CDF **	pg/g	14.6	0.112	0.998	0.400			10	4150783
Total Hepta CDF **	pg/g	27.7	0.115	0.998	0.400			4	4150783
TOTAL TOXIC EQUIVALENCY	pg/g						2.86		

EDL = Estimated Detection Limit

RDL = Reportable Detection Limit

TEF = Toxic Equivalency Factor, TEQ = Toxic Equivalency Quotient,
The Total Toxic Equivalency (TEQ) value reported is the sum of Toxic Equivalent Quotients for the congeners tested.

WHO(2005): The 2005 World Health Organization, Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds

QC Batch = Quality Control Batch

* CDD = Chloro Dibenzo-p-Dioxin

** CDF = Chloro Dibenzo-p-Furan

(1) RT > 3 seconds - PCDD/DF analysis - Peak detected exceeds expected retention time (from internal standard) by greater than 3 seconds.

(2) RT>2 seconds - PCDD/DF analysis-Peak maxima of monitored ions exceeds 2 seconds

(3) EMPC / NDR - Peak detected does not meet ratio criteria and has resulted in an elevated detection limit.

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Maxxam Job #: B5F6793
Report Date: 2015/08/20

Apex Laboratories
Client Project #: A5H0142

DIOXINS AND FURANS BY HRMS (SOIL)

Maxxam ID		ATM858							
Sampling Date		2015/08/06 12:00							
COC Number		na				TOXIC EQUIVALENCY		# of	
	UNITS	S+H-PORTMIX-TUAL	EDL	RDL	MDL	TEF (2005 WHO)	TEQ(DL)	Isomers	QC Batch
Surrogate Recovery (%)									
37CL4 2378 Tetra CDD *	%	93							4150783
C13-1234678 HeptaCDD *	%	65							4150783
C13-1234678 HeptaCDF **	%	65							4150783
C13-123478 HexaCDD *	%	71							4150783
C13-123478 HexaCDF **	%	68							4150783
C13-1234789 HeptaCDF **	%	67							4150783
C13-123678 HexaCDD *	%	64							4150783
C13-123678 HexaCDF **	%	72							4150783
C13-12378 PentaCDD *	%	63							4150783
C13-12378 PentaCDF **	%	54							4150783
C13-123789 HexaCDF **	%	78							4150783
C13-234678 HexaCDF **	%	69							4150783
C13-23478 PentaCDF **	%	68							4150783
C13-2378 TetraCDD *	%	67							4150783
C13-2378 TetraCDF **	%	65							4150783
C13-OCDD *	%	55							4150783

EDL = Estimated Detection Limit

RDL = Reportable Detection Limit

TEF = Toxic Equivalency Factor, TEQ = Toxic Equivalency Quotient,
The Total Toxic Equivalency (TEQ) value reported is the sum of Toxic Equivalent Quotients for the congeners tested.

WHO(2005): The 2005 World Health Organization, Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds

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TEST SUMMARY

Maxxam ID: ATM858
Sample ID: S+H-PORTMIX-TUAL
Matrix: Soil

Collected: 2015/08/06
Shipped:
Received: 2015/08/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dioxins/Furans in Soil (1613B)	HRMS/MS	4150783	2015/08/13	2015/08/16	Cathy Xu
Moisture	BAL	4141408	N/A	2015/08/10	Valentina Kaftani

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	7.0°C

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
4141408	BOP	RPD - Sample/Sample Dup	Moisture	2015/08/10	1.1		%	20
4150783	CXU	Spiked Blank	37CL4 2378 Tetra CDD	2015/08/16		94	%	35 - 197
			C13-1234678 HeptaCDD	2015/08/16		73	%	23 - 140
			C13-1234678 HeptaCDF	2015/08/16		69	%	28 - 143
			C13-123478 HexaCDD	2015/08/16		76	%	32 - 141
			C13-123478 HexaCDF	2015/08/16		71	%	26 - 152
			C13-1234789 HeptaCDF	2015/08/16		69	%	26 - 138
			C13-123678 HexaCDD	2015/08/16		71	%	28 - 130
			C13-123678 HexaCDF	2015/08/16		76	%	26 - 123
			C13-12378 PentaCDD	2015/08/16		80	%	25 - 181
			C13-12378 PentaCDF	2015/08/16		70	%	24 - 185
			C13-123789 HexaCDF	2015/08/16		81	%	29 - 147
			C13-234678 HexaCDF	2015/08/16		73	%	28 - 136
			C13-23478 PentaCDF	2015/08/16		85	%	21 - 178
			C13-2378 TetraCDD	2015/08/16		72	%	25 - 164
			C13-2378 TetraCDF	2015/08/16		71	%	24 - 169
			C13-OCDD	2015/08/16		58	%	17 - 157
			2,3,7,8-Tetra CDD	2015/08/16		105	%	67 - 158
			1,2,3,7,8-Penta CDD	2015/08/16		102	%	25 - 181
			1,2,3,4,7,8-Hexa CDD	2015/08/16		112	%	70 - 164
			1,2,3,6,7,8-Hexa CDD	2015/08/16		120	%	76 - 134
			1,2,3,7,8,9-Hexa CDD	2015/08/16		117	%	64 - 162
			1,2,3,4,6,7,8-Hepta CDD	2015/08/16		110	%	70 - 140
			Octa CDD	2015/08/16		120	%	78 - 144
			2,3,7,8-Tetra CDF	2015/08/16		111	%	75 - 158
			1,2,3,7,8-Penta CDF	2015/08/16		117	%	80 - 134
			2,3,4,7,8-Penta CDF	2015/08/16		99	%	68 - 160
			1,2,3,4,7,8-Hexa CDF	2015/08/16		121	%	72 - 134
			1,2,3,6,7,8-Hexa CDF	2015/08/16		111	%	84 - 130
			2,3,4,6,7,8-Hexa CDF	2015/08/16		115	%	70 - 156
			1,2,3,7,8,9-Hexa CDF	2015/08/16		102	%	78 - 130
			1,2,3,4,6,7,8-Hepta CDF	2015/08/16		113	%	82 - 122
			1,2,3,4,7,8,9-Hepta CDF	2015/08/16		114	%	78 - 138
			Octa CDF	2015/08/16		119	%	63 - 170
4150783	CXU	Method Blank	37CL4 2378 Tetra CDD	2015/08/16		88	%	35 - 197
			C13-1234678 HeptaCDD	2015/08/16		65	%	23 - 140
			C13-1234678 HeptaCDF	2015/08/16		60	%	28 - 143
			C13-123478 HexaCDD	2015/08/16		68	%	32 - 141
			C13-123478 HexaCDF	2015/08/16		59	%	26 - 152
			C13-1234789 HeptaCDF	2015/08/16		60	%	26 - 138
			C13-123678 HexaCDD	2015/08/16		65	%	28 - 130
			C13-123678 HexaCDF	2015/08/16		66	%	26 - 123
			C13-12378 PentaCDD	2015/08/16		55	%	25 - 181
			C13-12378 PentaCDF	2015/08/16		49	%	24 - 185
			C13-123789 HexaCDF	2015/08/16		70	%	29 - 147
			C13-234678 HexaCDF	2015/08/16		62	%	28 - 136
			C13-23478 PentaCDF	2015/08/16		59	%	21 - 178
			C13-2378 TetraCDD	2015/08/16		63	%	25 - 164
			C13-2378 TetraCDF	2015/08/16		61	%	24 - 169
			C13-OCDD	2015/08/16		56	%	17 - 157
			2,3,7,8-Tetra CDD	2015/08/16	<0.148, EDL=0.148		pg/g	
			1,2,3,7,8-Penta CDD	2015/08/16	<0.247, EDL=0.247		pg/g	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			1,2,3,4,7,8-Hexa CDD	2015/08/16	0.108, EDL=0.0950		pg/g	
			1,2,3,6,7,8-Hexa CDD	2015/08/16	0.211, EDL=0.103		pg/g	
			1,2,3,7,8,9-Hexa CDD	2015/08/16	<0.0980, EDL=0.0980		pg/g	
			1,2,3,4,6,7,8-Hepta CDD	2015/08/16	3.53, EDL=0.117		pg/g	
			Octa CDD	2015/08/16	35.3, EDL=0.255		pg/g	
			Total Tetra CDD	2015/08/16	<0.246, EDL=0.246 (1)		pg/g	
			Total Penta CDD	2015/08/16	<0.247, EDL=0.247		pg/g	
			Total Hexa CDD	2015/08/16	0.673, EDL=0.0993		pg/g	
			Total Hepta CDD	2015/08/16	7.77, EDL=0.117		pg/g	
			2,3,7,8-Tetra CDF	2015/08/16	<0.125, EDL=0.125		pg/g	
			1,2,3,7,8-Penta CDF	2015/08/16	<0.161, EDL=0.161		pg/g	
			2,3,4,7,8-Penta CDF	2015/08/16	<0.159, EDL=0.159		pg/g	
			1,2,3,4,7,8-Hexa CDF	2015/08/16	<0.154, EDL=0.154		pg/g	
			1,2,3,6,7,8-Hexa CDF	2015/08/16	<0.158, EDL=0.158		pg/g	
			2,3,4,6,7,8-Hexa CDF	2015/08/16	<0.148, EDL=0.148		pg/g	
			1,2,3,7,8,9-Hexa CDF	2015/08/16	0.184, EDL=0.154		pg/g	
			1,2,3,4,6,7,8-Hepta CDF	2015/08/16	0.475, EDL=0.0918		pg/g	
			1,2,3,4,7,8,9-Hepta CDF	2015/08/16	0.199, EDL=0.0917		pg/g	
			Octa CDF	2015/08/16	<0.676, EDL=0.676 (1)		pg/g	
			Total Tetra CDF	2015/08/16	<0.125, EDL=0.125		pg/g	
			Total Penta CDF	2015/08/16	<0.160, EDL=0.160		pg/g	
			Total Hexa CDF	2015/08/16	0.184, EDL=0.153		pg/g	

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Report Date: 2015/08/20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	% Recovery	UNITS	QC Limits
			Total Hepta CDF	2015/08/16	1.20, EDL=0.0917		pg/g	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

(1) EMPC / NDR - Peak detected does not meet ratio criteria and has resulted in an elevated detection limit.

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Branko Vrzic, A.SC.T., Senior Analyst, HRMS Services

Cristina Carriere, Scientific Services

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Wednesday, August 12, 2015

Nathan Cutler
Strider Construction Co
4721 Northwest Drive
Bellingham, WA 98226

RE: Evraz - Oregon Steel / [none]

Enclosed are the results of analyses for work order A5H0142, which was received by the laboratory on 8/6/2015 at 12:45:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Apex Labs

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S+H-PortMix-Tual	A5H0142-01	Soil	08/06/15 12:00	08/06/15 12:45

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Apex Labs

12232 S.W. Garden Place
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503-718-2323 Phone
503-718-0333 Fax

Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S+H-PortMix-Tual (A5H0142-01)			**Matrix: Soil**		**Batch: 5080150**			**C-07**
Aroclor 1016	ND	5.78	11.6	ug/kg dry	1	08/10/15 16:41	EPA 8082A	
Aroclor 1221	ND	5.78	11.6	"	"	"	"	
Aroclor 1232	ND	5.78	11.6	"	"	"	"	
Aroclor 1242	ND	5.78	11.6	"	"	"	"	
Aroclor 1248	ND	5.78	11.6	"	"	"	"	
Aroclor 1254	ND	5.78	11.6	"	"	"	"	
Aroclor 1260	ND	5.78	11.6	"	"	"	"	
Surrogate: Decachlorobiphenyl (Surr)			*Recovery: 87 %*	*Limits: 72-126 %*	"	"	"	

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory

Apex Labs

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S+H-PortMix-Tual (A5H0142-01RE1)			**Matrix: Soil**		**Batch: 5080223**			**C-05**
Aldrin	ND	---	2.25	ug/kg dry	1	08/11/15 12:13	EPA 8081B	
alpha-BHC	ND	---	2.25	"	"	"	"	
beta-BHC	ND	---	2.25	"	"	"	"	
delta-BHC	ND	---	2.25	"	"	"	"	
gamma-BHC (Lindane)	ND	---	2.25	"	"	"	"	
cis-Chlordane	ND	---	2.25	"	"	"	"	
trans-Chlordane	ND	---	2.25	"	"	"	"	
4,4'-DDD	ND	---	2.25	"	"	"	"	
4,4'-DDE	ND	---	2.25	"	"	"	"	
4,4'-DDT	ND	---	2.25	"	"	"	"	
Dieldrin	ND	---	2.25	"	"	"	"	
Endosulfan I	ND	---	2.25	"	"	"	"	
Endosulfan II	ND	---	2.25	"	"	"	"	
Endosulfan sulfate	ND	---	2.25	"	"	"	"	
Endrin	ND	---	2.25	"	"	"	"	
Endrin Aldehyde	ND	---	2.25	"	"	"	"	
Endrin ketone	ND	---	2.25	"	"	"	"	
Heptachlor	ND	---	2.25	"	"	"	"	
Heptachlor epoxide	ND	---	2.25	"	"	"	"	
Methoxychlor	ND	---	6.74	"	"	"	"	
Chlordane (Technical)	ND	---	67.4	"	"	"	"	
Toxaphene (Total)	ND	---	67.4	"	"	"	"	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 66 %*	*Limits: 42-129 %*	"	"	"	
Decachlorobiphenyl (Surr)			*110 %*	*Limits: 65-151 %*	"	"	"	

DRAFT REPORT

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Apex Labs

12232 S.W. Garden Place
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503-718-2323 Phone
503-718-0333 Fax

Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S+H-PortMix-Tual (A5H0142-01RE2)			**Matrix: Soil**		**Batch: 5080209**			
Acenaphthene	ND	---	266	ug/kg dry	1	08/10/15 16:25	EPA 8270D	
Acenaphthylene	ND	---	266	"	"	"	"	
Aniline	ND	---	266	"	"	"	"	
Anthracene	ND	---	266	"	"	"	"	
Azobenzene (1,2-DPH)	ND	---	266	"	"	"	"	
Benz(a)anthracene	ND	---	266	"	"	"	"	
Benzo(a)pyrene	ND	---	266	"	"	"	"	
Benzo(b)fluoranthene	ND	---	266	"	"	"	"	
Benzo(k)fluoranthene	ND	---	266	"	"	"	"	
Benzo(g,h,i)perylene	ND	---	266	"	"	"	"	
Benzoic acid	ND	---	1330	"	"	"	"	
Benzyl alcohol	ND	---	266	"	"	"	"	
Bis(2-Chloroethoxy) methane	ND	---	266	"	"	"	"	
Bis(2-Chloroethyl) ether	ND	---	266	"	"	"	"	Q-42
Bis(2-Chloroisopropyl) ether	ND	---	266	"	"	"	"	
Bis(2-Ethylhexyl) adipate	ND	---	266	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	---	266	"	"	"	"	
4-Bromophenyl phenyl ether	ND	---	266	"	"	"	"	
Butyl benzyl phthalate	ND	---	266	"	"	"	"	
Carbazole	ND	---	266	"	"	"	"	
4-Chloroaniline	ND	---	266	"	"	"	"	
4-Chloro-3-methylphenol	ND	---	266	"	"	"	"	
2-Chloronaphthalene	ND	---	266	"	"	"	"	
2-Chlorophenol	ND	---	266	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	---	266	"	"	"	"	
Chrysene	ND	---	266	"	"	"	"	
Dibenz(a,h)anthracene	ND	---	266	"	"	"	"	
Dibenzofuran	ND	---	266	"	"	"	"	
1,2-Dichlorobenzene	ND	---	266	"	"	"	"	
1,3-Dichlorobenzene	ND	---	266	"	"	"	"	
1,4-Dichlorobenzene	ND	---	266	"	"	"	"	
2,4-Dichlorophenol	ND	---	266	"	"	"	"	
Di-n-butylphthalate	ND	---	266	"	"	"	"	
Diethylphthalate	ND	---	266	"	"	"	"	
Dimethylphthalate	ND	---	266	"	"	"	"	

DRAFT REPORT

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S+H-PortMix-Tual (A5H0142-01RE2)			**Matrix: Soil**		**Batch: 5080209**			
2,4-Dimethylphenol	ND	---	266	ug/kg dry	1	"	EPA 8270D	
1,2-Dinitrobenzene	ND	---	266	"	"	"	"	
1,3-Dinitrobenzene	ND	---	266	"	"	"	"	
1,4-Dinitrobenzene	ND	---	266	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	---	638	"	"	"	"	
2,4-Dinitrophenol	ND	---	266	"	"	"	"	
2,4-Dinitrotoluene	ND	---	266	"	"	"	"	
2,6-Dinitrotoluene	ND	---	266	"	"	"	"	
Di-n-octyl phthalate	ND	---	266	"	"	"	"	
Fluoranthene	ND	---	266	"	"	"	"	
Fluorene	ND	---	266	"	"	"	"	
Hexachlorobenzene	ND	---	266	"	"	"	"	
Hexachlorobutadiene	ND	---	266	"	"	"	"	
Hexachlorocyclopentadiene	ND	---	266	"	"	"	"	
Hexachloroethane	ND	---	266	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	---	266	"	"	"	"	
Isophorone	ND	---	266	"	"	"	"	
1-Methylnaphthalene	ND	---	266	"	"	"	"	
2-Methylnaphthalene	ND	---	266	"	"	"	"	
2-Methylphenol	ND	---	266	"	"	"	"	
3+4-Methylphenol(s)	ND	---	266	"	"	"	"	
Naphthalene	ND	---	266	"	"	"	"	
2-Nitroaniline	ND	---	266	"	"	"	"	
3-Nitroaniline	ND	---	266	"	"	"	"	
4-Nitroaniline	ND	---	266	"	"	"	"	
Nitrobenzene	ND	---	266	"	"	"	"	
2-Nitrophenol	ND	---	266	"	"	"	"	
4-Nitrophenol	ND	---	266	"	"	"	"	
N-Nitrosodimethylamine	ND	---	266	"	"	"	"	
N-Nitroso-di-n-propylamine	ND	---	266	"	"	"	"	
N-Nitrosodiphenylamine	ND	---	266	"	"	"	"	
Pentachlorophenol (PCP)	ND	---	266	"	"	"	"	
Phenanthrene	ND	---	266	"	"	"	"	
Phenol	ND	---	266	"	"	"	"	
Pyrene	ND	---	266	"	"	"	"	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S+H-PortMix-Tual (A5H0142-01RE2)			**Matrix: Soil**		**Batch: 5080209**			
Pyridine	ND	---	531	ug/kg dry	1	"	EPA 8270D	
2,3,4,6-Tetrachlorophenol	ND	---	266	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	---	266	"	"	"	"	
1,2,4-Trichlorobenzene	ND	---	266	"	"	"	"	
2,4,5-Trichlorophenol	ND	---	266	"	"	"	"	
2,4,6-Trichlorophenol	ND	---	266	"	"	"	"	
Surrogate: Nitrobenzene-d5 (Surr)			*Recovery: 93 %*	*Limits: 37-122 %*	"	"	"	
2-Fluorobiphenyl (Surr)			*85 %*	*Limits: 44-115 %*	"	"	"	
Phenol-d6 (Surr)			*83 %*	*Limits: 33-122 %*	"	"	"	
p-Terphenyl-d14 (Surr)			*97 %*	*Limits: 54-127 %*	"	"	"	*Q-41*
2-Fluorophenol (Surr)			*84 %*	*Limits: 35-115 %*	"	"	"	
2,4,6-Tribromophenol (Surr)			*129 %*	*Limits: 39-132 %*	"	"	"	*Q-41*

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S+H-PortMix-Tual (A5H0142-01)			**Matrix: Soil**					
Batch: 5080143								
Arsenic	ND	---	1.23	mg/kg dry	10	08/06/15 21:14	EPA 6020A	
Cadmium	ND	---	0.246	"	"	"	"	
Chromium	**8.65**	---	1.23	"	"	"	"	
Lead	**4.68**	---	2.46	"	"	"	"	
Manganese	**265**	---	2.46	"	"	"	"	
Mercury	ND	---	0.0983	"	"	"	"	
Zinc	**35.3**	---	4.91	"	"	"	"	
S+H-PortMix-Tual (A5H0142-01RE1)			**Matrix: Soil**					
Batch: 5080143								
Copper	**19.1**	---	4.91	mg/kg dry	10	08/07/15 13:21	EPA 6020A	

DRAFT REPORT

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
S+H-PortMix-Tual (A5H0142-01)			**Matrix: Soil**		**Batch: 5080163**			
% Solids	**82.9**	---	1.00	% by Weight	1	08/10/15 08:27	EPA 8000C	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080150 - EPA 3546							**Soil**					
Blank (5080150-BLK1)					Prepared: 08/07/15 07:18 Analyzed: 08/10/15 15:28							**C-07**
EPA 8082A												
Aroclor 1016	ND	4.17	8.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	4.17	8.33	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	4.17	8.33	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	4.17	8.33	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	4.17	8.33	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	4.17	8.33	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	4.17	8.33	"	"	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 97 %*	*Limits: 72-126 %*			*Dilution: 1x*					
LCS (5080150-BS1)					Prepared: 08/07/15 07:18 Analyzed: 08/10/15 15:46							**C-07**
EPA 8082A												
Aroclor 1016	164	5.00	10.0	ug/kg wet	1	250	---	66	47-134%	---	---	
Aroclor 1260	236	5.00	10.0	"	"	"	---	95	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 99 %*	*Limits: 72-126 %*			*Dilution: 1x*					
Matrix Spike (5080150-MS1)					Prepared: 08/07/15 07:18 Analyzed: 08/10/15 17:19							**C-07**
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
EPA 8082A												
Aroclor 1016	198	5.86	11.7	ug/kg dry	1	293	ND	68	47-134%	---	---	
Aroclor 1260	276	5.86	11.7	"	"	"	ND	94	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 95 %*	*Limits: 72-126 %*			*Dilution: 1x*					

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080223 - EPA 3546/3640A (GPC)							**Soil**					
Blank (5080223-BLK1)					Prepared: 08/07/15 07:20 Analyzed: 08/11/15 11:36							**C-05**
EPA 8081B												
Aldrin	ND	---	1.82	ug/kg wet	1	---	---	---	---	---	---	
alpha-BHC	ND	---	1.82	"	"	---	---	---	---	---	---	
beta-BHC	ND	---	1.82	"	"	---	---	---	---	---	---	
delta-BHC	ND	---	1.82	"	"	---	---	---	---	---	---	
gamma-BHC (Lindane)	ND	---	1.82	"	"	---	---	---	---	---	---	
cis-Chlordane	ND	---	1.82	"	"	---	---	---	---	---	---	
trans-Chlordane	ND	---	1.82	"	"	---	---	---	---	---	---	
4,4'-DDD	ND	---	1.82	"	"	---	---	---	---	---	---	
4,4'-DDE	ND	---	1.82	"	"	---	---	---	---	---	---	
4,4'-DDT	ND	---	1.82	"	"	---	---	---	---	---	---	
Dieldrin	ND	---	1.82	"	"	---	---	---	---	---	---	
Endosulfan I	ND	---	1.82	"	"	---	---	---	---	---	---	
Endosulfan II	ND	---	1.82	"	"	---	---	---	---	---	---	
Endosulfan sulfate	ND	---	1.82	"	"	---	---	---	---	---	---	
Endrin	ND	---	1.82	"	"	---	---	---	---	---	---	
Endrin Aldehyde	ND	---	1.82	"	"	---	---	---	---	---	---	
Endrin ketone	ND	---	1.82	"	"	---	---	---	---	---	---	
Heptachlor	ND	---	1.82	"	"	---	---	---	---	---	---	
Heptachlor epoxide	ND	---	1.82	"	"	---	---	---	---	---	---	
Methoxychlor	ND	---	5.45	"	"	---	---	---	---	---	---	
Chlordane (Technical)	ND	---	54.5	"	"	---	---	---	---	---	---	
Toxaphene (Total)	ND	---	54.5	"	"	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 85 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*98 %*		*65-151 %*			*"*				
LCS (5080223-BS1)					Prepared: 08/07/15 07:20 Analyzed: 08/11/15 11:54							**C-05**
EPA 8081B												
Aldrin	38.5	---	2.00	ug/kg wet	1	50.0	---	77	45-136%	---	---	
alpha-BHC	42.1	---	2.00	"	"	"	---	84	45-137%	---	---	
beta-BHC	41.9	---	2.00	"	"	"	---	84	50-136%	---	---	
delta-BHC	42.4	---	2.00	"	"	"	---	85	47-139%	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080223 - EPA 3546/3640A (GPC)							**Soil**					
LCS (5080223-BS1)					Prepared: 08/07/15 07:20		Analyzed: 08/11/15 11:54					**C-05**
gamma-BHC (Lindane)	42.4	---	2.00	"	"	"	---	85	49-135%	---	---	
cis-Chlordane	40.4	---	2.00	"	"	"	---	81	54-133%	---	---	
trans-Chlordane	40.7	---	2.00	"	"	"	---	81	53-135%	---	---	
4,4'-DDD	45.2	---	2.00	"	"	"	---	90	56-139%	---	---	
4,4'-DDE	40.8	---	2.00	"	"	"	---	82	56-134%	---	---	
4,4'-DDT	49.8	---	2.00	"	"	"	---	100	50-141%	---	---	
Dieldrin	42.7	---	2.00	"	"	"	---	85	56-136%	---	---	
Endosulfan I	41.9	---	2.00	"	"	"	---	84	52-132%	---	---	
Endosulfan II	43.4	---	2.00	"	"	"	---	87	53-134%	---	---	
Endosulfan sulfate	44.2	---	2.00	"	"	"	---	88	55-136%	---	---	
Endrin	48.9	---	2.00	"	"	"	---	98	56-140%	---	---	
Endrin Aldehyde	41.3	---	2.00	"	"	"	---	83	35-137%	---	---	
Endrin ketone	47.1	---	2.00	"	"	"	---	94	55-136%	---	---	Q-41
Heptachlor	41.8	---	2.00	"	"	"	---	84	47-136%	---	---	
Heptachlor epoxide	42.1	---	2.00	"	"	"	---	84	52-136%	---	---	
Methoxychlor	50.9	---	6.00	"	"	"	---	102	52-143%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 73 %*		*Limits: 42-129 %*		*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*93 %*		*65-151 %*		*"*					
Duplicate (5080223-DUP1)					Prepared: 08/07/15 07:20		Analyzed: 08/11/15 12:31					**C-05**
QC Source Sample: S+H-PortMix-Tual (A5H0142-01RE1)												
EPA 8081B												
Aldrin	ND	---	2.26	ug/kg dry	1	---	ND	---	---	---	30%	
alpha-BHC	ND	---	2.26	"	"	---	ND	---	---	---	30%	
beta-BHC	ND	---	2.26	"	"	---	ND	---	---	---	30%	
delta-BHC	ND	---	2.26	"	"	---	ND	---	---	---	30%	
gamma-BHC (Lindane)	ND	---	2.26	"	"	---	ND	---	---	---	30%	
cis-Chlordane	ND	---	2.26	"	"	---	ND	---	---	---	30%	
trans-Chlordane	ND	---	2.26	"	"	---	ND	---	---	---	30%	
4,4'-DDD	ND	---	2.26	"	"	---	ND	---	---	---	30%	
4,4'-DDE	ND	---	2.26	"	"	---	ND	---	---	---	30%	
4,4'-DDT	ND	---	2.26	"	"	---	ND	---	---	---	30%	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080223 - EPA 3546/3640A (GPC)							**Soil**					
Duplicate (5080223-DUP1)					Prepared: 08/07/15 07:20		Analyzed: 08/11/15 12:31					**C-05**
QC Source Sample: S+H-PortMix-Tual (A5H0142-01RE1)												
Dieldrin	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Endosulfan I	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Endosulfan II	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Endosulfan sulfate	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Endrin	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Endrin Aldehyde	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Endrin ketone	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Heptachlor	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Heptachlor epoxide	ND	---	2.26	"	"	---	ND	---	---	---	30%	
Methoxychlor	ND	---	6.79	"	"	---	ND	---	---	---	30%	
Chlordane (Technical)	ND	---	67.9	"	"	---	ND	---	---	---	30%	
Toxaphene (Total)	ND	---	67.9	"	"	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 72 %*	*Limits: 42-129 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*106 %*	*65-151 %*			*"*					
Matrix Spike (5080223-MS1)					Prepared: 08/07/15 07:20		Analyzed: 08/11/15 12:50					**C-05**
QC Source Sample: S+H-PortMix-Tual (A5H0142-01RE1)												
EPA 8081B												
Aldrin	54.6	---	2.27	ug/kg dry	1	56.7	ND	96	45-136%	---	---	
alpha-BHC	56.4	---	2.27	"	"	"	ND	99	45-137%	---	---	
beta-BHC	66.7	---	2.27	"	"	"	ND	118	50-136%	---	---	
delta-BHC	68.0	---	2.27	"	"	"	ND	120	47-139%	---	---	
gamma-BHC (Lindane)	60.4	---	2.27	"	"	"	ND	106	49-135%	---	---	
cis-Chlordane	65.4	---	2.27	"	"	"	ND	115	54-133%	---	---	
trans-Chlordane	45.5	---	2.27	"	"	"	ND	80	53-135%	---	---	
4,4'-DDD	76.6	---	2.27	"	"	"	ND	135	56-139%	---	---	
4,4'-DDE	66.9	---	2.27	"	"	"	ND	118	56-134%	---	---	
4,4'-DDT	74.5	---	2.27	"	"	"	ND	131	50-141%	---	---	
Dieldrin	52.3	---	2.27	"	"	"	ND	92	56-136%	---	---	
Endosulfan I	63.5	---	2.27	"	"	"	ND	112	52-132%	---	---	

DRAFT REPORT

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Organochlorine Pesticides by EPA 8081B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080223 - EPA 3546/3640A (GPC)							**Soil**					
Matrix Spike (5080223-MS1)					Prepared: 08/07/15 07:20		Analyzed: 08/11/15 12:50					**C-05**
QC Source Sample: S+H-PortMix-Tual (A5H0142-01RE1)												
Endosulfan II	68.9	---	2.27	ug/kg dry	"	"	ND	121	53-134%	---	---	
Endosulfan sulfate	53.3	---	2.27	"	"	"	ND	94	55-136%	---	---	
Endrin	63.9	---	2.27	"	"	"	ND	113	56-140%	---	---	
Endrin Aldehyde	55.6	---	2.27	"	"	"	ND	98	35-137%	---	---	
Endrin ketone	62.9	---	2.27	"	"	"	ND	111	55-136%	---	---	
Heptachlor	64.2	---	2.27	"	"	"	ND	113	47-136%	---	---	
Heptachlor epoxide	65.9	---	2.27	"	"	"	ND	116	52-136%	---	---	
Methoxychlor	89.9	---	6.81	"	"	"	ND	158	52-143%	---	---	Q-01
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 77 %*	*Limits: 42-129 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*115 %*	*65-151 %*			*"*					

DRAFT REPORT

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Blank (5080209-BLK2)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 13:51							
EPA 8270D												
Acenaphthene	ND	---	208	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	208	"	"	---	---	---	---	---	---	
Aniline	ND	---	208	"	"	---	---	---	---	---	---	
Anthracene	ND	---	208	"	"	---	---	---	---	---	---	
Azobenzene (1,2-DPH)	ND	---	208	"	"	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	208	"	"	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	208	"	"	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	208	"	"	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	208	"	"	---	---	---	---	---	---	
Benzo(b+k)fluoranthene(s)	ND	---	417	"	"	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	208	"	"	---	---	---	---	---	---	
Benzoic acid	ND	---	1040	"	"	---	---	---	---	---	---	
Benzyl alcohol	ND	---	208	"	"	---	---	---	---	---	---	
Bis(2-Chloroethoxy) methane	ND	---	208	"	"	---	---	---	---	---	---	
Bis(2-Chloroethyl) ether	ND	---	208	"	"	---	---	---	---	---	---	
Bis(2-Chloroisopropyl) ether	ND	---	208	"	"	---	---	---	---	---	---	
Bis(2-Ethylhexyl) adipate	ND	---	208	"	"	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	---	208	"	"	---	---	---	---	---	---	
4-Bromophenyl phenyl ether	ND	---	208	"	"	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	---	208	"	"	---	---	---	---	---	---	
Carbazole	ND	---	208	"	"	---	---	---	---	---	---	
4-Chloroaniline	ND	---	208	"	"	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	---	208	"	"	---	---	---	---	---	---	
2-Chloronaphthalene	ND	---	208	"	"	---	---	---	---	---	---	
2-Chlorophenol	ND	---	208	"	"	---	---	---	---	---	---	
4-Chlorophenyl phenyl ether	ND	---	208	"	"	---	---	---	---	---	---	
Chrysene	ND	---	208	"	"	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	208	"	"	---	---	---	---	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Blank (5080209-BLK2)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 13:51							
Dibenzofuran	ND	---	208	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	208	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	208	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	208	"	"	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	---	208	"	"	---	---	---	---	---	---	
Di-n-butylphthalate	ND	---	208	"	"	---	---	---	---	---	---	
Diethylphthalate	ND	---	208	"	"	---	---	---	---	---	---	
Dimethylphthalate	ND	---	208	"	"	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	---	208	"	"	---	---	---	---	---	---	
1,2-Dinitrobenzene	ND	---	208	"	"	---	---	---	---	---	---	
1,3-Dinitrobenzene	ND	---	208	"	"	---	---	---	---	---	---	
1,4-Dinitrobenzene	ND	---	208	"	"	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	---	500	"	"	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	---	208	"	"	---	---	---	---	---	---	
2,4-Dinitrotoluene	ND	---	208	"	"	---	---	---	---	---	---	
2,6-Dinitrotoluene	ND	---	208	"	"	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	---	208	"	"	---	---	---	---	---	---	
Fluoranthene	ND	---	208	"	"	---	---	---	---	---	---	
Fluorene	ND	---	208	"	"	---	---	---	---	---	---	
Hexachlorobenzene	ND	---	208	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	208	"	"	---	---	---	---	---	---	
Hexachlorocyclopentadiene	ND	---	208	"	"	---	---	---	---	---	---	
Hexachloroethane	ND	---	208	"	"	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	208	"	"	---	---	---	---	---	---	
Isophorone	ND	---	208	"	"	---	---	---	---	---	---	
1-Methylnaphthalene	ND	---	208	"	"	---	---	---	---	---	---	
2-Methylnaphthalene	ND	---	208	"	"	---	---	---	---	---	---	
2-Methylphenol	ND	---	208	"	"	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	---	208	"	"	---	---	---	---	---	---	
Naphthalene	ND	---	208	"	"	---	---	---	---	---	---	
2-Nitroaniline	ND	---	208	"	"	---	---	---	---	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Blank (5080209-BLK2)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 13:51							
3-Nitroaniline	ND	---	208	ug/kg wet	"	---	---	---	---	---	---	
4-Nitroaniline	ND	---	208	"	"	---	---	---	---	---	---	
Nitrobenzene	ND	---	208	"	"	---	---	---	---	---	---	
2-Nitrophenol	ND	---	208	"	"	---	---	---	---	---	---	
4-Nitrophenol	ND	---	208	"	"	---	---	---	---	---	---	
N-Nitrosodimethylamine	ND	---	208	"	"	---	---	---	---	---	---	
N-Nitroso-di-n-propylamine	ND	---	208	"	"	---	---	---	---	---	---	
N-Nitrosodiphenylamine	ND	---	208	"	"	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	---	208	"	"	---	---	---	---	---	---	
Phenanthrene	ND	---	208	"	"	---	---	---	---	---	---	
Phenol	ND	---	208	"	"	---	---	---	---	---	---	
Pyrene	ND	---	208	"	"	---	---	---	---	---	---	
Pyridine	ND	---	417	"	"	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	---	208	"	"	---	---	---	---	---	---	
2,3,5,6-Tetrachlorophenol	ND	---	208	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	208	"	"	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	---	208	"	"	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	---	208	"	"	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)		*Recovery:*	*101 %*	*Limits:*	*37-122 %*		*Dilution:*	*1x*				
2-Fluorobiphenyl (Surr)			*92 %*		*44-115 %*			*"*				
Phenol-d6 (Surr)			*84 %*		*33-122 %*			*"*				
p-Terphenyl-d14 (Surr)			*106 %*		*54-127 %*			*"*				*Q-41*
2-Fluorophenol (Surr)			*88 %*		*35-115 %*			*"*				
2,4,6-Tribromophenol (Surr)			*100 %*		*39-132 %*			*"*				*Q-41*
LCS (5080209-BS2)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 14:30							
EPA 8270D												
Acenaphthene	729	---	250	ug/kg wet	1	800	---	91	40-122%	---	---	
Acenaphthylene	734	---	250	"	"	"	---	92	32-132%	---	---	
Aniline	618	---	250	"	"	"	---	77	7-120%	---	---	
Anthracene	765	---	250	"	"	"	---	96	47-123%	---	---	
Azobenzene (1,2-DPH)	761	---	250	"	"	"	---	95	39-125%	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
LCS (5080209-BS2)					Prepared: 08/10/15 10:21		Analyzed: 08/10/15 14:30					
Benz(a)anthracene	750	---	250	ug/kg wet	"	"	---	94	49-126%	---	---	
Benzo(a)pyrene	779	---	250	"	"	"	---	97	45-129%	---	---	
Benzo(b)fluoranthene	770	---	250	"	"	"	---	96	45-132%	---	---	
Benzo(k)fluoranthene	749	---	250	"	"	"	---	94	47-132%	---	---	
Benzo(b+k)fluoranthene(s)	1540	---	500	"	"	1600	---	96	45-132%	---	---	
Benzo(g,h,i)perylene	747	---	250	"	"	800	---	93	43-134%	---	---	
Benzoic acid	ND	---	1250	"	"	1600	---	32	5-140%	---	---	
Benzyl alcohol	729	---	250	"	"	800	---	91	29-122%	---	---	
Bis(2-Chloroethoxy) methane	748	---	250	"	"	"	---	94	36-121%	---	---	
Bis(2-Chloroethyl) ether	709	---	250	"	"	"	---	89	31-120%	---	---	
Bis(2-Chloroisopropyl) ether	843	---	250	"	"	"	---	105	33-131%	---	---	Q-41
Bis(2-Ethylhexyl) adipate	725	---	250	"	"	"	---	91	60-121%	---	---	
Bis(2-ethylhexyl)phthalate	742	---	250	"	"	"	---	93	51-133%	---	---	
4-Bromophenyl phenyl ether	848	---	250	"	"	"	---	106	46-124%	---	---	Q-41
Butyl benzyl phthalate	757	---	250	"	"	"	---	95	48-132%	---	---	
Carbazole	745	---	250	"	"	"	---	93	50-122%	---	---	
4-Chloroaniline	459	---	250	"	"	"	---	57	16-120%	---	---	
4-Chloro-3-methylphenol	730	---	250	"	"	"	---	91	45-122%	---	---	
2-Chloronaphthalene	719	---	250	"	"	"	---	90	41-120%	---	---	
2-Chlorophenol	735	---	250	"	"	"	---	92	34-121%	---	---	
4-Chlorophenyl phenyl ether	716	---	250	"	"	"	---	89	45-121%	---	---	
Chrysene	716	---	250	"	"	"	---	90	50-124%	---	---	
Dibenz(a,h)anthracene	722	---	250	"	"	"	---	90	45-134%	---	---	
Dibenzofuran	702	---	250	"	"	"	---	88	44-120%	---	---	
1,2-Dichlorobenzene	679	---	250	"	"	"	---	85	33-120%	---	---	
1,3-Dichlorobenzene	686	---	250	"	"	"	---	86	30-120%	---	---	
1,4-Dichlorobenzene	691	---	250	"	"	"	---	86	31-120%	---	---	
2,4-Dichlorophenol	749	---	250	"	"	"	---	94	40-122%	---	---	
Di-n-butylphthalate	818	---	250	"	"	"	---	102	51-128%	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
LCS (5080209-BS2)					Prepared: 08/10/15 10:21		Analyzed: 08/10/15 14:30					
Diethylphthalate	755	---	250	"	"	"	---	94	50-124%	---	---	
Dimethylphthalate	742	---	250	"	"	"	---	93	48-124%	---	---	
2,4-Dimethylphenol	842	---	250	"	"	"	---	105	30-127%	---	---	Q-41
1,2-Dinitrobenzene	699	---	250	"	"	"	---	87	44-120%	---	---	
1,3-Dinitrobenzene	695	---	250	"	"	"	---	87	42-127%	---	---	
1,4-Dinitrobenzene	749	---	250	"	"	"	---	94	37-132%	---	---	
4,6-Dinitro-2-methylphenol	663	---	600	"	"	"	---	83	29-132%	---	---	
2,4-Dinitrophenol	586	---	250	"	"	"	---	73	5-137%	---	---	
2,4-Dinitrotoluene	699	---	250	"	"	"	---	87	48-126%	---	---	
2,6-Dinitrotoluene	759	---	250	"	"	"	---	95	46-124%	---	---	
Di-n-octyl phthalate	700	---	250	"	"	"	---	87	44-140%	---	---	
Fluoranthene	769	---	250	"	"	"	---	96	50-127%	---	---	
Fluorene	703	---	250	"	"	"	---	88	43-125%	---	---	
Hexachlorobenzene	862	---	250	"	"	"	---	108	44-122%	---	---	
Hexachlorobutadiene	808	---	250	"	"	"	---	101	32-123%	---	---	
Hexachlorocyclopentadiene	975	---	250	"	"	"	---	122	5-140%	---	---	Q-41
Hexachloroethane	730	---	250	"	"	"	---	91	28-120%	---	---	
Indeno(1,2,3-cd)pyrene	679	---	250	"	"	"	---	85	45-133%	---	---	
Isophorone	828	---	250	"	"	"	---	104	30-122%	---	---	
1-Methylnaphthalene	719	---	250	"	"	"	---	90	40-120%	---	---	
2-Methylnaphthalene	733	---	250	"	"	"	---	92	38-122%	---	---	
2-Methylphenol	752	---	250	"	"	"	---	94	32-122%	---	---	
3+4-Methylphenol(s)	752	---	250	"	"	"	---	94	34-120%	---	---	
Naphthalene	697	---	250	"	"	"	---	87	35-123%	---	---	
2-Nitroaniline	673	---	250	"	"	"	---	84	44-127%	---	---	
3-Nitroaniline	490	---	250	"	"	"	---	61	33-120%	---	---	
4-Nitroaniline	635	---	250	"	"	"	---	79	35-120%	---	---	
Nitrobenzene	785	---	250	"	"	"	---	98	34-122%	---	---	
2-Nitrophenol	748	---	250	"	"	"	---	93	36-123%	---	---	
4-Nitrophenol	646	---	250	"	"	"	---	81	30-132%	---	---	
N-Nitrosodimethylamine	937	---	250	"	"	"	---	117	23-120%	---	---	Q-41

DRAFT REPORT

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Apex Labs

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
LCS (5080209-BS2)					Prepared: 08/10/15 10:21		Analyzed: 08/10/15 14:30					
N-Nitroso-di-n-propylamine	840	---	250	ug/kg wet	"	"	---	105	36-120%	---	---	Q-41
N-Nitrosodiphenylamine	714	---	250	"	"	"	---	89	38-127%	---	---	
Pentachlorophenol (PCP)	723	---	250	"	"	"	---	90	25-133%	---	---	
Phenanthrene	716	---	250	"	"	"	---	89	50-121%	---	---	
Phenol	800	---	250	"	"	"	---	100	34-120%	---	---	
Pyrene	736	---	250	"	"	"	---	92	47-127%	---	---	
Pyridine	698	---	500	"	"	"	---	87	5-120%	---	---	
2,3,4,6-Tetrachlorophenol	683	---	250	"	"	"	---	85	44-125%	---	---	
2,3,5,6-Tetrachlorophenol	668	---	250	"	"	"	---	84	40-120%	---	---	
1,2,4-Trichlorobenzene	694	---	250	"	"	"	---	87	34-120%	---	---	
2,4,5-Trichlorophenol	735	---	250	"	"	"	---	92	41-124%	---	---	
2,4,6-Trichlorophenol	730	---	250	"	"	"	---	91	39-126%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 95 %*	*Limits: 37-122 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)			*90 %*	*44-115 %*			*"*					
Phenol-d6 (Surr)			*92 %*	*33-122 %*			*"*					
p-Terphenyl-d14 (Surr)			*111 %*	*54-127 %*			*"*					*Q-41*
2-Fluorophenol (Surr)			*99 %*	*35-115 %*			*"*					
2,4,6-Tribromophenol (Surr)			*112 %*	*39-132 %*			*"*					*Q-41*
Duplicate (5080209-DUP1)					Prepared: 08/10/15 10:21		Analyzed: 08/10/15 17:03					
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
EPA 8270D												
Acenaphthene	ND	---	265	ug/kg dry	1	---	ND	---	---	---	30%	
Acenaphthylene	ND	---	265	"	"	---	ND	---	---	---	30%	
Aniline	ND	---	265	"	"	---	ND	---	---	---	30%	
Anthracene	ND	---	265	"	"	---	ND	---	---	---	30%	
Azobenzene (1,2-DPH)	ND	---	265	"	"	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	---	265	"	"	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	---	265	"	"	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	---	265	"	"	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	---	265	"	"	---	ND	---	---	---	30%	
Benzo(b+k)fluoranthene(s)	ND	---	531	"	"	---	ND	---	---	---	30%	

DRAFT REPORT

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Duplicate (5080209-DUP1)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 17:03							
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
Benzo(g,h,i)perylene	ND	---	265	"	"	---	ND	---	---	---	30%	
Benzoic acid	ND	---	1330	"	"	---	ND	---	---	---	30%	
Benzyl alcohol	ND	---	265	"	"	---	ND	---	---	---	30%	
Bis(2-Chloroethoxy) methane	ND	---	265	"	"	---	ND	---	---	---	30%	
Bis(2-Chloroethyl) ether	ND	---	265	"	"	---	ND	---	---	---	30%	
Bis(2-Chloroisopropyl) ether	ND	---	265	"	"	---	ND	---	---	---	30%	
Bis(2-Ethylhexyl) adipate	ND	---	265	"	"	---	ND	---	---	---	30%	
Bis(2-ethylhexyl)phthalate	ND	---	265	"	"	---	ND	---	---	---	30%	
4-Bromophenyl phenyl ether	ND	---	265	"	"	---	ND	---	---	---	30%	
Butyl benzyl phthalate	ND	---	265	"	"	---	ND	---	---	---	30%	
Carbazole	ND	---	265	"	"	---	ND	---	---	---	30%	
4-Chloroaniline	ND	---	265	"	"	---	ND	---	---	---	30%	
4-Chloro-3-methylphenol	ND	---	265	"	"	---	ND	---	---	---	30%	
2-Chloronaphthalene	ND	---	265	"	"	---	ND	---	---	---	30%	
2-Chlorophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
4-Chlorophenyl phenyl ether	ND	---	265	"	"	---	ND	---	---	---	30%	
Chrysene	ND	---	265	"	"	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	---	265	"	"	---	ND	---	---	---	30%	
Dibenzofuran	ND	---	265	"	"	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
2,4-Dichlorophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
Di-n-butylphthalate	ND	---	265	"	"	---	ND	---	---	---	30%	
Diethylphthalate	ND	---	265	"	"	---	ND	---	---	---	30%	
Dimethylphthalate	ND	---	265	"	"	---	ND	---	---	---	30%	
2,4-Dimethylphenol	ND	---	265	"	"	---	ND	---	---	---	30%	
1,2-Dinitrobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Duplicate (5080209-DUP1)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 17:03							
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
1,3-Dinitrobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
1,4-Dinitrobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
4,6-Dinitro-2-methylphenol	ND	---	637	"	"	---	ND	---	---	---	30%	
2,4-Dinitrophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
2,4-Dinitrotoluene	ND	---	265	"	"	---	ND	---	---	---	30%	
2,6-Dinitrotoluene	ND	---	265	"	"	---	ND	---	---	---	30%	
Di-n-octyl phthalate	ND	---	265	"	"	---	ND	---	---	---	30%	
Fluoranthene	ND	---	265	"	"	---	ND	---	---	---	30%	
Fluorene	ND	---	265	"	"	---	ND	---	---	---	30%	
Hexachlorobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	265	"	"	---	ND	---	---	---	30%	
Hexachlorocyclopentadiene	ND	---	265	"	"	---	ND	---	---	---	30%	
Hexachloroethane	ND	---	265	"	"	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	---	265	"	"	---	ND	---	---	---	30%	
Isophorone	ND	---	265	"	"	---	ND	---	---	---	30%	
1-Methylnaphthalene	ND	---	265	"	"	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	---	265	"	"	---	ND	---	---	---	30%	
2-Methylphenol	ND	---	265	"	"	---	ND	---	---	---	30%	
3+4-Methylphenol(s)	ND	---	265	"	"	---	ND	---	---	---	30%	
Naphthalene	ND	---	265	"	"	---	ND	---	---	---	30%	
2-Nitroaniline	ND	---	265	"	"	---	ND	---	---	---	30%	
3-Nitroaniline	ND	---	265	"	"	---	ND	---	---	---	30%	
4-Nitroaniline	ND	---	265	"	"	---	ND	---	---	---	30%	
Nitrobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
2-Nitrophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
4-Nitrophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
N-Nitrosodimethylamine	ND	---	265	"	"	---	ND	---	---	---	30%	
N-Nitroso-di-n-propylamine	ND	---	265	"	"	---	ND	---	---	---	30%	
N-Nitrosodiphenylamine	ND	---	265	"	"	---	ND	---	---	---	30%	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Duplicate (5080209-DUP1)					Prepared: 08/10/15 10:21		Analyzed: 08/10/15 17:03					
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
Pentachlorophenol (PCP)	ND	---	265	ug/kg dry	"	---	ND	---	---	---	30%	
Phenanthrene	ND	---	265	"	"	---	ND	---	---	---	30%	
Phenol	ND	---	265	"	"	---	ND	---	---	---	30%	
Pyrene	ND	---	265	"	"	---	ND	---	---	---	30%	
Pyridine	ND	---	531	"	"	---	ND	---	---	---	30%	
2,3,4,6-Tetrachlorophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
2,3,5,6-Tetrachlorophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	265	"	"	---	ND	---	---	---	30%	
2,4,5-Trichlorophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
2,4,6-Trichlorophenol	ND	---	265	"	"	---	ND	---	---	---	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 96 %*	*Limits: 37-122 %*			*Dilution: 1x*					
2-Fluorobiphenyl (Surr)			*86 %*	*44-115 %*			*"*					
Phenol-d6 (Surr)			*82 %*	*33-122 %*			*"*					
p-Terphenyl-d14 (Surr)			*98 %*	*54-127 %*			*"*					*Q-41*
2-Fluorophenol (Surr)			*84 %*	*35-115 %*			*"*					
2,4,6-Tribromophenol (Surr)			*130 %*	*39-132 %*			*"*					*Q-41*
Matrix Spike (5080209-MS1)					Prepared: 08/10/15 10:21		Analyzed: 08/10/15 17:42					
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
EPA 8270D												
Acenaphthene	704	---	265	ug/kg dry	1	849	ND	83	40-122%	---	---	
Acenaphthylene	716	---	265	"	"	"	ND	84	32-132%	---	---	
Aniline	ND	---	265	"	"	"	ND	8	7-120%	---	---	
Anthracene	761	---	265	"	"	"	ND	90	47-123%	---	---	
Azobenzene (1,2-DPH)	790	---	265	"	"	"	ND	93	39-125%	---	---	
Benz(a)anthracene	718	---	265	"	"	"	ND	85	49-126%	---	---	
Benzo(a)pyrene	768	---	265	"	"	"	ND	90	45-129%	---	---	
Benzo(b)fluoranthene	737	---	265	"	"	"	ND	87	45-132%	---	---	
Benzo(k)fluoranthene	722	---	265	"	"	"	ND	85	47-132%	---	---	
Benzo(b+k)fluoranthene(s)	1470	---	531	"	"	1700	ND	86	45-132%	---	---	
Benzo(g,h,i)perylene	717	---	265	"	"	849	ND	84	43-134%	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Matrix Spike (5080209-MS1)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 17:42							
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
Benzoic acid	ND	---	1330	ug/kg dry	"	1700	ND	64	5-140%	---	---	
Benzyl alcohol	788	---	265	"	"	849	ND	93	29-122%	---	---	
Bis(2-Chloroethoxy) methane	690	---	265	"	"	"	ND	81	36-121%	---	---	
Bis(2-Chloroethyl) ether	1240	---	265	"	"	"	ND	146	31-120%	---	---	Q-01
Bis(2-Chloroisopropyl) ether	796	---	265	"	"	"	ND	94	33-131%	---	---	Q-41
Bis(2-Ethylhexyl) adipate	763	---	265	"	"	"	ND	90	60-121%	---	---	
Bis(2-ethylhexyl)phthalate	844	---	265	"	"	"	ND	99	51-133%	---	---	
4-Bromophenyl phenyl ether	843	---	265	"	"	"	ND	99	46-124%	---	---	Q-41
Butyl benzyl phthalate	773	---	265	"	"	"	ND	91	48-132%	---	---	
Carbazole	710	---	265	"	"	"	ND	84	50-122%	---	---	
4-Chloroaniline	ND	---	265	"	"	"	ND	25	16-120%	---	---	
4-Chloro-3-methylphenol	785	---	265	"	"	"	ND	92	45-122%	---	---	
2-Chloronaphthalene	707	---	265	"	"	"	ND	83	41-120%	---	---	
2-Chlorophenol	737	---	265	"	"	"	ND	87	34-121%	---	---	
4-Chlorophenyl phenyl ether	710	---	265	"	"	"	ND	84	45-121%	---	---	
Chrysene	710	---	265	"	"	"	ND	84	50-124%	---	---	
Dibenz(a,h)anthracene	739	---	265	"	"	"	ND	87	45-134%	---	---	
Dibenzofuran	690	---	265	"	"	"	ND	81	44-120%	---	---	
1,2-Dichlorobenzene	619	---	265	"	"	"	ND	73	33-120%	---	---	
1,3-Dichlorobenzene	606	---	265	"	"	"	ND	71	30-120%	---	---	
1,4-Dichlorobenzene	616	---	265	"	"	"	ND	72	31-120%	---	---	
2,4-Dichlorophenol	790	---	265	"	"	"	ND	93	40-122%	---	---	
Di-n-butylphthalate	808	---	265	"	"	"	ND	95	51-128%	---	---	
Diethylphthalate	761	---	265	"	"	"	ND	90	50-124%	---	---	
Dimethylphthalate	746	---	265	"	"	"	ND	88	48-124%	---	---	
2,4-Dimethylphenol	837	---	265	"	"	"	ND	99	30-127%	---	---	Q-41
1,2-Dinitrobenzene	703	---	265	"	"	"	ND	83	44-120%	---	---	
1,3-Dinitrobenzene	725	---	265	"	"	"	ND	85	42-127%	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Matrix Spike (5080209-MS1)					Prepared: 08/10/15 10:21		Analyzed: 08/10/15 17:42					
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
1,4-Dinitrobenzene	742	---	265	"	"	"	ND	87	37-132%	---	---	
4,6-Dinitro-2-methylphenol	ND	---	637	"	"	"	ND	74	29-132%	---	---	
2,4-Dinitrophenol	397	---	265	"	"	"	ND	47	5-137%	---	---	
2,4-Dinitrotoluene	734	---	265	"	"	"	ND	86	48-126%	---	---	
2,6-Dinitrotoluene	765	---	265	"	"	"	ND	90	46-124%	---	---	
Di-n-octyl phthalate	786	---	265	"	"	"	ND	93	44-140%	---	---	
Fluoranthene	735	---	265	"	"	"	ND	86	50-127%	---	---	
Fluorene	699	---	265	"	"	"	ND	82	43-125%	---	---	
Hexachlorobenzene	806	---	265	"	"	"	ND	95	44-122%	---	---	
Hexachlorobutadiene	740	---	265	"	"	"	ND	87	32-123%	---	---	
Hexachlorocyclopentadiene	ND	---	265	"	"	"	ND	21	5-140%	---	---	Q-41
Hexachloroethane	521	---	265	"	"	"	ND	61	28-120%	---	---	
Indeno(1,2,3-cd)pyrene	659	---	265	"	"	"	ND	78	45-133%	---	---	
Isophorone	802	---	265	"	"	"	ND	94	30-122%	---	---	
1-Methylnaphthalene	685	---	265	"	"	"	ND	81	40-120%	---	---	
2-Methylnaphthalene	724	---	265	"	"	"	ND	85	38-122%	---	---	
2-Methylphenol	807	---	265	"	"	"	ND	95	32-122%	---	---	
3+4-Methylphenol(s)	837	---	265	"	"	"	ND	99	34-120%	---	---	
Naphthalene	662	---	265	"	"	"	ND	78	35-123%	---	---	
2-Nitroaniline	718	---	265	"	"	"	ND	84	44-127%	---	---	
3-Nitroaniline	301	---	265	"	"	"	ND	35	33-120%	---	---	
4-Nitroaniline	398	---	265	"	"	"	ND	47	35-120%	---	---	
Nitrobenzene	780	---	265	"	"	"	ND	92	34-122%	---	---	
2-Nitrophenol	771	---	265	"	"	"	ND	91	36-123%	---	---	
4-Nitrophenol	699	---	265	"	"	"	ND	82	30-132%	---	---	
N-Nitrosodimethylamine	760	---	265	"	"	"	ND	89	23-120%	---	---	Q-41
N-Nitroso-di-n-propylamine	839	---	265	"	"	"	ND	99	36-120%	---	---	Q-41
N-Nitrosodiphenylamine	654	---	265	"	"	"	ND	77	38-127%	---	---	
Pentachlorophenol (PCP)	850	---	265	"	"	"	ND	100	25-133%	---	---	

DRAFT REPORT

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Semivolatile Organic Compounds by EPA 8270D

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080209 - EPA 3546							**Soil**					
Matrix Spike (5080209-MS1)					Prepared: 08/10/15 10:21 Analyzed: 08/10/15 17:42							
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
Phenanthrene	706	---	265	ug/kg dry	"	"	ND	83	50-121%	---	---	
Phenol	756	---	265	"	"	"	ND	89	34-120%	---	---	
Pyrene	712	---	265	"	"	"	ND	84	47-127%	---	---	
Pyridine	554	---	531	"	"	"	ND	65	5-120%	---	---	
2,3,4,6-Tetrachlorophenol	760	---	265	"	"	"	ND	90	44-125%	---	---	
2,3,5,6-Tetrachlorophenol	753	---	265	"	"	"	ND	89	40-120%	---	---	
1,2,4-Trichlorobenzene	633	---	265	"	"	"	ND	75	34-120%	---	---	
2,4,5-Trichlorophenol	793	---	265	"	"	"	ND	93	41-124%	---	---	
2,4,6-Trichlorophenol	788	---	265	"	"	"	ND	93	39-126%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 91 %*	*Limits: 37-122 %*		*Dilution: 1x*						
2-Fluorobiphenyl (Surr)			*81 %*	*44-115 %*		*"*						
Phenol-d6 (Surr)			*87 %*	*33-122 %*		*"*						
p-Terphenyl-d14 (Surr)			*101 %*	*54-127 %*		*"*						*Q-41*
2-Fluorophenol (Surr)			*86 %*	*35-115 %*		*"*						
2,4,6-Tribromophenol (Surr)			*126 %*	*39-132 %*		*"*						*Q-41*

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080143 - EPA 3051A							**Soil**					
Blank (5080143-BLK1)					Prepared: 08/06/15 16:02		Analyzed: 08/06/15 19:52					
EPA 6020A												
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.200	"	"	---	---	---	---	---	---	
Chromium	ND	---	1.00	"	"	---	---	---	---	---	---	
Lead	ND	---	2.00	"	"	---	---	---	---	---	---	
Manganese	ND	---	2.00	"	"	---	---	---	---	---	---	
Mercury	ND	---	0.0800	"	"	---	---	---	---	---	---	
Zinc	ND	---	4.00	"	"	---	---	---	---	---	---	
Blank (5080143-BLK2)					Prepared: 08/06/15 16:02		Analyzed: 08/07/15 12:57					
EPA 6020A												
Copper	ND	---	4.00	mg/kg wet	10	---	---	---	---	---	---	Q-16
Manganese	ND	---	1.00	"	"	---	---	---	---	---	---	Q-16
LCS (5080143-BS1)					Prepared: 08/06/15 16:02		Analyzed: 08/06/15 19:55					
EPA 6020A												
Arsenic	44.9	---	1.00	mg/kg wet	10	50.0	---	90	80-120%	---	---	
Cadmium	45.8	---	0.200	"	"	"	---	92	"	---	---	
Chromium	47.0	---	1.00	"	"	"	---	94	"	---	---	
Lead	48.4	---	2.00	"	"	"	---	97	"	---	---	
Manganese	48.3	---	2.00	"	"	"	---	97	"	---	---	
Mercury	1.05	---	0.0800	"	"	1.00	---	105	"	---	---	
Zinc	45.0	---	4.00	"	"	50.0	---	90	"	---	---	
LCS (5080143-BS2)					Prepared: 08/06/15 16:02		Analyzed: 08/07/15 13:00					
EPA 6020A												
Copper	50.4	---	4.00	mg/kg wet	10	50.0	---	101	80-120%	---	---	Q-16
Matrix Spike (5080143-MS2)					Prepared: 08/06/15 16:02		Analyzed: 08/06/15 21:17					
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
EPA 6020A												
Arsenic	58.3	---	1.22	mg/kg dry	10	61.2	1.12	93	75-125%	---	---	
Cadmium	58.5	---	0.245	"	"	"	ND	96	"	---	---	

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Strider Construction Co	Project: **Evraz - Oregon Steel**	
4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080143 - EPA 3051A							**Soil**					
Matrix Spike (5080143-MS2)					Prepared: 08/06/15 16:02		Analyzed: 08/06/15 21:17					
QC Source Sample: S+H-PortMix-Tual (A5H0142-01)												
Chromium	70.4	---	1.22	mg/kg dry	"	"	8.65	101	"	---	---	
Lead	66.3	---	2.45	"	"	"	4.68	101	"	---	---	
Manganese	366	---	2.45	"	"	"	265	165	"	---	---	Q-03
Mercury	1.17	---	0.0979	"	"	1.22	ND	96	"	---	---	Q-41
Zinc	94.8	---	4.89	"	"	61.2	35.3	97	"	---	---	
Matrix Spike (5080143-MS3)					Prepared: 08/06/15 16:02		Analyzed: 08/07/15 13:24					
QC Source Sample: S+H-PortMix-Tual (A5H0142-01RE1)												
EPA 6020A												
Copper	83.3	---	4.89	mg/kg dry	10	61.2	19.1	105	75-125%	---	---	Q-16

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4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

QUALITY CONTROL (QC) SAMPLE RESULTS

DRAFT: Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080163 - Total Solids (Dry Weight)												**Soil**

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5080150							
A5H0142-01	Soil	EPA 8082A	08/06/15 12:00	08/07/15 07:18	10.43g/5mL	10g/5mL	0.96

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5080223							
A5H0142-01RE1	Soil	EPA 8081B	08/06/15 12:00	08/07/15 07:20	10.74g/10mL	10g/5mL	1.86

Semivolatile Organic Compounds by EPA 8270D

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5080209							
A5H0142-01RE2	Soil	EPA 8270D	08/06/15 12:00	08/10/15 10:21	11.35g/5mL	10g/5mL	0.88

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5080143							
A5H0142-01	Soil	EPA 6020A	08/06/15 12:00	08/06/15 16:02	0.491g/50mL	0.5g/50mL	1.02
A5H0142-01RE1	Soil	EPA 6020A	08/06/15 12:00	08/06/15 16:02	0.491g/50mL	0.5g/50mL	1.02

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5080163							
A5H0142-01	Soil	EPA 8000C	08/06/15 12:00	08/07/15 09:57	1N/A/1N/A	1N/A/1N/A	NA

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4721 Northwest Drive	Project Number: [none]	**Reported:**
Bellingham, WA 98226	Project Manager: Nathan Cutler	08/12/15 10:37

Notes and Definitions

Qualifiers:

C-05	Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-16	Reanalysis of an original Batch QC sample.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)

Notes and Conventions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses. For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor. Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
---	QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

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*** Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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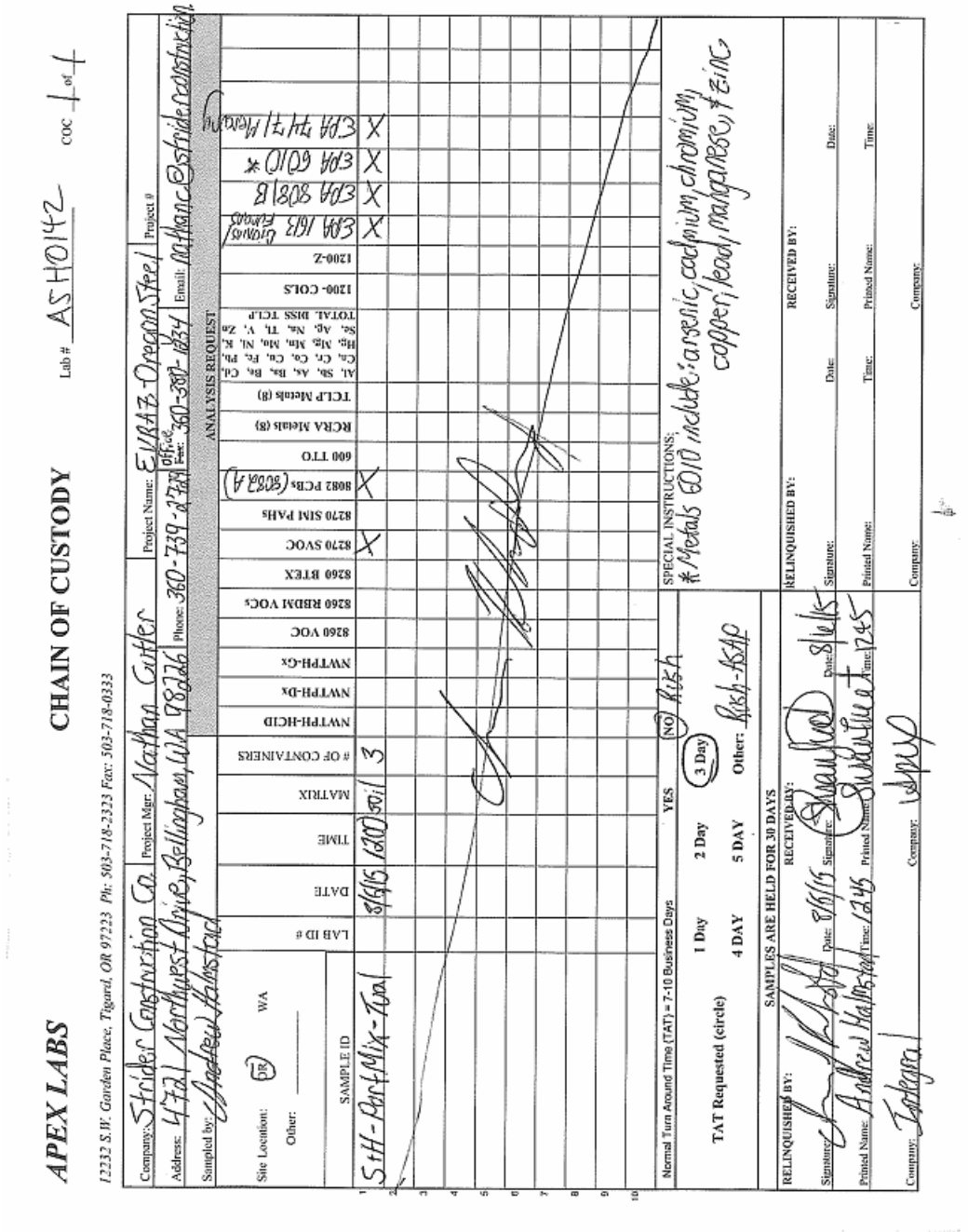

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